



Express Mail No.: EV 832910035 US

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IN THE UNITED STATES PATENT AND  
TRADEMARK OFFICE  
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Application Number: 09/744,675  
Applicants: Edward L. Squires, Patrick M. McCue, George E. Seidel  
Filed: January 29, 2001  
Title: Equine System for Non-Surgical Artificial Insemination  
TC/A.U: 1634  
Examiner: Carla J. Meyers  
Assignee: XY, Inc.  
Attorney Docket: XY-Equine3-USNP  
Customer No.: 33549  
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**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT PURSUANT TO 37  
C.F.R. 1.97(c)(2) and EXPLANATION OF THE RELEVANCE OF NON-ENGLISH  
INFORMATION CITED THEREIN UNDER 37 C.F.R. §1.98(a)(3)**

Pursuant to 37 CFR §1.97(c)(2), the Applicant hereby submits the references indicated on the attached list. As a means of complying with the duty of disclosure set forth in 37 C.F.R. §§1.56, 1.97, and 1.98, the following information may be material to the examination of the referenced application. Pursuant to 37 C.F.R. § 1.97(g), this Supplemental Information Disclosure Statement should not be construed as a representation that a search has been made. Additionally, pursuant to 37 C.F.R. § 1.97(h), the filing of this Supplemental Information Disclosure Statement shall not be construed as an admission that the information cited is or is considered to be material to patentability as defined in 37 C.F.R. § 1.56(b). A copy of Foreign Reference or "Non-patent Literature" reference is enclosed.

Additionally, in accordance with 37 C.F.R. §1.97(c), and to the best of the Applicant's knowledge, this Supplemental Information Disclosure Statement is filed before the mailing date of any of a final action under 37 C.F.R. § 1.113, a notice of allowance under 37 C.F.R. § 1.311, or an action that otherwise closes prosecution in the application. A fee of \$180.00 pursuant to 37 C.F.R. 1.17(p) is enclosed.

This submission includes as follows a concise explanation of the relevance of non-English Information as cited in the Supplemental Information Disclosure Citation enclosed herewith, in compliance with 37 C.F.R. §1.98(a)(3) and MPEP §609 A(3).

Ozhin F.V. et al. Artificial insemination of farm animals. Moscow, Izdatelstvo Selskokhozyastvennoi Literatury, 1961, pp. 350-361 and pp. 380-393 may include disclosure relative to artificial insemination of farm animals.

Prokofiev M.I. Regoulyatsia Razmnozhenia Selskokhozyastvennykh Zhivotnykh, Leningrad, NAOUKA Publishing House, 1983, pp. 181-195 was cited in an application that may involve technology generally relevant to that of the instant application. The Assignee has not had it translated.

Solsberry G.U., Van-Denmark N.L., Theory and practice of artificial cow insemination in USA, Moscow, KOLOS Publishing House, 1966, p. 346 may include disclosure relative to artificial insemination of cows.

Wintzer Et al.: "Krankheiten des Pferdes Ein Leitfaden für Studium und Praxis," 1982, nParey, Berlin Hamburg XP002281450 may include disclosure relative to artificial insemination.

van Munster, Sex Determination with Interferometry", NTvN 65/4 (1999), pp. 95-98 may include disclosure relative to sex determination with interferometry.

Dated this 1 day of November, 2006.

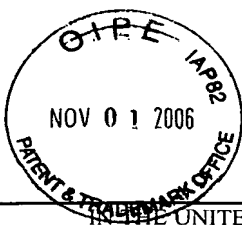
Respectfully submitted,

SANTANGELO LAW OFFICES, P.C.

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<b>IN THE UNITED STATES</b> <b>PATENT AND TRADEMARK OFFICE</b>  <b>INFORMATION DISCLOSURE</b> <b>STATEMENT BY APPLICANT</b>	<b>APPLICATION NO:</b>	09/744,675
	<b>FILING DATE:</b>	January 29, 2001
	<b>FIRST NAMED INVENTOR:</b>	Edward L. Squires
	<b>ART UNIT:</b>	1634
	<b>EXAMINER NAME:</b>	Carla J. Meyers
	<b>DOCKET NO:</b>	XY-Equine3-USNP

**I. US PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NO. & KIND CODE (if known)	PATENTEE OR APPLICANT NAME	PUB'N DATE	Pages, Columns, Lines Where Relevant Passages Or Relevant Drawings Appear
	4,007,087	Ericsson	2/8/1977	
	4,559,309	Evenson	12/17/1985	
	4,764,013	Johnston	08/00/1988	
	5,084,004	Ranoux	01/00/1992	
	5,219,729	Hodgen	06/00/1993	
	5,532,155	Ranoux	07/00/1996	
	5,693,534	Alak et al.	12/00/1997	
	5,873,254	Arav	02/00/1999	
	5,891,734	Gill et al.	04/00/1999	
	5,985,538	Stachecju	11/00/1999	
	6,050,935	Ranoux et al.	04/00/2000	
	6,140,121	Ellington et al.	10/00/2000	
	6,283,920	Eberle et al.	09/00/2001	
	7,094,527	Seidel et al.	8/22/2006	
	2005/00282245	Ludwig et al.	12/22/2005	
	2005/0244805 A1	Ludwig et al.	11/3/2005	
	20050214733 A1	Graham et al.	9/29/2005	

## II. FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	Foreign Patent Document Country Code, Number, Kind Code (if known)	PATENTEE OR APPLICANT NAME	PUB'N DATE mm- dd-yyyy	TRANSLATION Yes No	
	UK 1471019	United Aircraft Corp.	4/21/1977		
	WO 2006012597 A2	Monsanto Technology LLC	2/2/2006		
	WO 93/17322 A1	Univ. of Hertfordshire GB	9/02/1993		

### III. Non-Patent Literature

EXAMINER INITIAL	Document
	Ozhin F.V. et al. Artificial insemination of farm animals. Moscow, Izdatelstvo Selskokhozyaastvennoi Literatry, 1961, pp. 350-361 and pp. 380-393
	Prokofiev M.I. Regoulyatsia Razmnozhenia Selskokhozyastvennykh Zhivotnykh, Leningrad, NAOUKA Publishing House, 1983, pp. 181-195
	Solsberry G.U., Van-Denmark N.L., Theory and practice of artificial cow insemination in USA, Moscow, KOLOS Publishing House, 1966, p. 346
	van Munster, E. B., "Geslachtsbepaling met interferometrie", Derde prijs NtvN-prijsvraag voor pas-gepromoveerden 65/4, (Sex Determination with Interferometry) p. 95-98 (1999)
	Wintzer Et al.: "Krankheiten des Pferdes Ein Leitfaden für Studium und Praxis," 1982, nParey, Berlin Hamburg XP002281450
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	Crichton, E., et al. (Abstract) Artificial Insemination of Lactating Holstein Cows with Sexed Sperm, Reproduction, Fertility and Development 18(2) 281 - 281, 12/14/2005
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	Hagele, W.C., et al., Effect of Separating Bull Semen into X and Y Chromosome-bearing Fractions on the Sex Ratio of Resulting Embryos; Cran J. Comp. Med, 1984: 48:294-298
	Suh, T.K, et al., Pressure during flow sorting of bull sperm affects post-thaw motility characteristics; Theriogenology Vol. 59, No. 1, January 2003 p 516
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	Belloin, J.C., Milk and Dairy products: prduction and processing costs Food and Agriculture Organization of United Nations Rome 1988 FAO; web page where found: <a href="http://www.fao.org/docrep/003/x6931e/X6931E00.htm">www.fao.org/docrep/003/x6931e/X6931E00.htm</a>
	Kume, Shin-ichi; Dept of Animal Nutrition National Institute of Animal Industry Tsukuba 305, Japan THE DAIRY INDUSTRY \$IN ASIA B. JAPAN; <a href="http://www.agnet.org/library/article/eb384b.html">www.agnet.org/library/article/eb384b.html</a>
	Crichton, E.; Huffman, S.; McSweeney, K.; and Schenk, J. 347 Artificial Insemination of Lactating Holstein Cows with sexed sperm: Abstract CSORP Publishing - Reproduction, Fertility and Development <a href="http://www.publish.csiro.au/nid/44/paper/RDv18n2Ab347.htm">www.publish.csiro.au/nid/44/paper/RDv18n2Ab347.htm</a>
	Lopez, H., Caraviello, D.Z., Satter, L.D., Fricke, P.M. and Wiltbank, M.C.; Relationship Between Level of Milk Production and Multiple Ovulation in Lactating Dairy Cows Journal of Dairy Sci. 88:2783-2793; American Dairy Science Association, 2005.
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	Milk Production and Biosynthesis University of Guelph/Dairy Science and Technology <a href="http://www.foodsci.uoguelph.ca/dairyedu/biosyntheses.html">www.foodsci.uoguelph.ca/dairyedu/biosyntheses.html</a>
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	Salisbury, G.W. et al., Substrate-Free Epididymal-Like Bovine Spermatozoa, J Repord Fertil, 1963, Vol. 6, pp. 351-359
EXAMINER:	DATE CONSIDERED
EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.	



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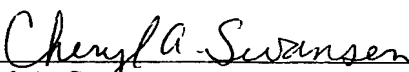
**CERTIFICATE OF EXPRESS MAILING**

I, Cheryl A. Swanson, hereby certify to the truth of the following items:

1. I am an employee of Santangelo Law Offices, P.C., 125 South Howes, Third Floor, Fort Collins, Colorado 80521.

2. I have this day deposited the attached Information Disclosure Statement Pursuant to 37 CFR §1.97(c)(2) along with a Supplemental Information Disclosure Statement Pursuant to 37 C.F.R. 1.97(c)(2) and Explanation of the Relevance of Non-English Information Cited Therein Under 37 C.F.R. §1.98(a)(3) with the United States Postal Service as "Express Mail" for mailing to Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria VA 22313-1450.

Dated this 1 day of November, 2006.

  
Cheryl A. Swanson